

Title (en)

VERTICAL FORM, FILL, SEAL MACHINE AND METHODS

Title (de)

VERFAHREN UND VERTIKALE VORRICHTUNG ZUM FORMEN, FÜLLEN UND SIEGELN

Title (fr)

FORMEUSE-ENSACHEUSE-SCELLEUSE VERTICALE ET PROCEDES ASSOCIES

Publication

**EP 1123237 A4 20011212 (EN)**

Application

**EP 99953128 A 19991013**

Priority

- US 9923621 W 19991013
- US 17442698 A 19981019

Abstract (en)

[origin: WO0023327A1] In a vertical form, fill, seal machine (10) that produces liquid-filled stand-up pouches, a flat vertical seal tube (26) is surrounded by an envelope of thermoplastic film (28) that is closed along one longitudinal edge (34) and open along the opposite longitudinal edge (36). A main drive assembly (54) includes drive members (56) that press opposite sides of the envelope (28) against the flat fill tube (26). An auxiliary film drive assembly is responsive to film tension. Stand-up base cups (B) are formed seriatim along the closed longitudinal edge (34) of the envelope (28). Fitments (F) are inserted seriatim into the open longitudinal edge (34), in correspondence with respective cups (B), and are sealed to the thermoplastic film (28), first by a spot sealer and then by a top sealer.

IPC 1-7

**B65B 61/00**; **B65B 61/18**; **B65B 9/00**; **B65B 43/08**; **B65B 9/06**; **B65B 61/20**; **B31B 1/90**; **B31B 1/84**; **B65B 9/20**; **B31B 19/84**; **B31B 37/00**

IPC 8 full level

**B31B 19/84** (2006.01); **B31B 37/00** (2006.01); **B65B 9/20** (2012.01); **B65B 9/213** (2012.01); **B65B 61/18** (2006.01)

CPC (source: EP US)

**B29C 65/18** (2013.01 - EP US); **B29C 65/305** (2013.01 - EP US); **B29C 65/745** (2013.01 - EP US); **B29C 66/004** (2013.01 - EP US); **B29C 66/1122** (2013.01 - EP US); **B29C 66/20** (2013.01 - US); **B29C 66/244** (2013.01 - EP); **B29C 66/3452** (2013.01 - EP US); **B29C 66/349** (2013.01 - EP US); **B29C 66/431** (2013.01 - EP US); **B29C 66/4312** (2013.01 - EP US); **B29C 66/53247** (2013.01 - EP US); **B29C 66/53263** (2013.01 - EP US); **B29C 66/5344** (2013.01 - EP US); **B29C 66/81427** (2013.01 - EP US); **B29C 66/81431** (2013.01 - EP US); **B29C 66/8161** (2013.01 - EP US); **B29C 66/8181** (2013.01 - EP US); **B29C 66/81815** (2013.01 - EP US); **B29C 66/8242** (2013.01 - EP US); **B29C 66/83221** (2013.01 - EP US); **B29C 66/849** (2013.01 - EP US); **B29C 66/91212** (2013.01 - EP US); **B29C 66/91231** (2013.01 - EP US); **B29C 66/91421** (2013.01 - EP US); **B29C 66/91431** (2013.01 - EP US); **B65B 9/2028** (2013.01 - EP US); **B65B 9/2042** (2013.01 - EP US); **B65B 9/213** (2013.01 - EP US); **B65B 51/303** (2013.01 - EP US); **B65B 61/186** (2013.01 - EP US); **B65D 75/008** (2013.01 - EP US); **B65D 75/5877** (2013.01 - EP US); **B65D 75/5883** (2013.01 - EP US); **B29C 66/3492** (2013.01 - EP US); **B29C 66/432** (2013.01 - EP US); **B29C 66/81417** (2013.01 - EP US); **B29C 66/81419** (2013.01 - EP US); **B29K 2101/12** (2013.01 - EP US); **B29L 2031/712** (2013.01 - EP US); **B29L 2031/7128** (2013.01 - EP US); **B31B 70/844** (2017.07 - EP US); **B31B 2155/00** (2017.07 - EP US); **B31B 2155/002** (2017.07 - EP US); **B31B 2160/20** (2017.07 - EP US); **B65B 51/32** (2013.01 - EP US)

Citation (search report)

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- [A] US 4745731 A 19880524 - TALBOTT RONNIE D [US], et al
- [A] US 5786050 A 19980728 - OTSUKA YOSHIAKI [JP], et al
- See references of WO 0023327A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0023327 A1 20000427**; AT E312762 T1 20051215; AU 6513699 A 20000508; DE 69928956 D1 20060119; EP 1123237 A1 20010816; EP 1123237 A4 20011212; EP 1123237 B1 20051214; US 2001000089 A1 20010405; US 2002112451 A1 20020822; US 6182426 B1 20010206

DOCDB simple family (application)

**US 9923621 W 19991013**; AT 99953128 T 19991013; AU 6513699 A 19991013; DE 69928956 T 19991013; EP 99953128 A 19991013; US 11914402 A 20020410; US 17442698 A 19981019; US 72635700 A 20001201